

IN THE CLAIMS:

Please cancel claims 4-9, 11-18, 30, 41, and 43 and amend the claims as follows:

1. (Currently Amended) ~~An expandable tubular~~An expandable sand screen, comprising:

a base pipe layer;
a filtering media layer around the base pipe layer; and
an outer shroud around the filtering media layer, a wall of the outer shroud an
outer-wall having a recess formed therein, the recess defining a housing for one or more
of the following during expansion of the expandable ~~tubular~~sand screen: control lines,
instrumentation lines, fiber optics, and downhole sensors, wherein the recess moves
outward radially upon expansion of the expandable ~~tubular~~sand screen.

2. (Currently Amended) The expandable ~~tubular~~sand screen of claim 1,
wherein the expandable ~~tubular~~sand screen is in an expanded state and the outer-wall
is in substantial contact with a wall of a wellbore.

3. (Currently Amended) The expandable ~~tubular~~sand screen of claim 1,
wherein the expandable ~~tubular~~sand screen is in an expanded state and the outer-wall
is in substantial contact with casing disposed in a wellbore.

Claims 4-9. (Canceled).

10. (Currently Amended) The expandable ~~tubular~~sand screen of claim 1, further
comprising an encapsulation within the recess, the recess serving as a housing for one
or more of the following: control lines, instrumentation lines, fiber optics, and downhole
sensors, which reside within the encapsulation.

Claims 11-18. (Canceled).

19. (Currently Amended) The expandable ~~tubular~~sand screen of claim 1,
wherein the recess comprises at least one arcuate wall.

20. (Currently Amended) The expandable tubularsand screen of claim 10, the encapsulation further comprising at least one arcuate wall.

21. (Currently Amended) The expandable tubularsand screen of claim 10, the encapsulation further comprising:

a first arcuate wall having a first end and a second end; and
a second wall having a first end and a second end, the first and second ends of the first and second walls of the encapsulation being connected so as to define a housing between the first and second walls of the encapsulation.

22. (Currently Amended) An apparatus for use in well completion operations, comprising:

an expandable tubularsand screen having inner and outer walls comprising:

a base pipe layer,

a filtering media layer around the base pipe layer, and

an outer shroud around the filtering media layer; and

one or more of the following located within the ~~outer~~ wall of the expandable tubularouter shroud: control lines, instrumentation lines, fiber optics, and downhole sensors,

wherein the one or more of the following located within the ~~outer~~ wall of the expandable tubularouter shroud is protected during the expansion process when the ~~an~~ inner wall of the expandable sand screen increases in diameter.

23. (Currently Amended) The apparatus of claim 22, wherein the one or more of control lines, instrumentation lines, fiber optics, and downhole sensors are housed within a recess in the ~~outer~~ wall of the expandable tubularouter shroud, wherein the recess protects the one or more of control lines, instrumentation lines, fiber optics, and downhole sensors during expansion of the expandable tubularsand screen.

24. (Previously Presented) The apparatus of claim 23, further comprising an encapsulation disposed within the recess.

25. (Previously Presented) The apparatus of claim 24, wherein the encapsulation is generally shaped to conform to the recess.

26. (Previously Presented) The apparatus of claim 24, wherein the encapsulation generally complies with the expandable tubular as it is expanded against a formation.

27. (Previously Presented) The apparatus of claim 23, wherein the recess comprises at least one arcuate wall.

28. (Previously Presented) The apparatus of claim 24, wherein the encapsulation comprises at least one arcuate wall.

29. (Currently Amended) A method for controlling at least one downhole tool or instruments through an expandable tubular and screen from a surface of a wellbore, comprising:

providing the expandable tubular and screen in the wellbore, the expandable tubular and screen having a first inner diameter and comprising:

a base pipe layer,

a filtering media layer around the base pipe layer, and

an outer shroud around the filtering media layer, one or more of the following disposable within a recess formed in an outer wall of the expandable tubular outer shroud: control lines, instrumentation lines, fiber optics, downhole sensors, data acquisition lines, and communication lines; and

expanding the expandable tubular and screen to a second inner diameter, the second inner diameter larger than the first inner diameter, wherein the one or more of the control lines, instrumentation lines, fiber optics, and downhole sensors is protected during the expansion.

30. (Canceled).

31. (Previously Presented) An expandable sand screen tool for use in a wellbore within a formation, the tool comprising:

a perforated base pipe layer,
a filtering media layer around the base pipe layer;
a perforated outer shroud around the filtering media layer, and wherein a recess
is formed in a wall of the outer shroud; and
an encapsulation disposed within the recess; the recess serving as a housing for
one or more of the following during expansion of the expandable tubular: control lines,
instrumentation lines, fiber optics, and downhole sensors.

32. (Previously Presented) The expandable sand screen tool of claim 31, wherein
the recess is formed in an outer surface of the wall.

33. (Currently Amended) The expandable ~~tubular~~sand screen of claim 1,
wherein the outer-wall comprises a first thickness and the recess is formed within the
first thickness.

34. (Currently Amended) The expandable ~~tubular~~sand screen of claim 1,
wherein the recess defines a housing for two or more of the following during expansion
of the expandable tubular: control lines, instrumentation lines, fiber optics, and
downhole sensors.

35. (Currently Amended) The expandable ~~tubular~~sand screen of claim 1,
wherein the recess is entirely disposed within the outer-wall.

36. (Currently Amended) The expandable ~~tubular~~sand screen of claim 1,
wherein the outer-wall comprises an outer surface and an inner surface with a thickness
therebetween, and wherein the recess is entirely disposed within the thickness.

37. (Currently Amended) An expandable tubular, comprising: an outer wall
~~having a recess formed therein, the recess defining a housing for one or more of the~~
~~following during expansion of the expandable tubular: control lines, instrumen-~~
~~tation lines, fiber optics, and downhole sensors, wherein:~~

~~the expandable tubular is in an expanded state and the outer wall is in substantial contact with a wall of a wellbore, and~~ The expandable sand screen of claim 2, wherein the recess comprises:

a first wall having a first end and a second end; and

a second wall having a first end and a second end, the first and second ends of the first and second walls being connected so as to define a housing between the first and second walls; wherein at least one of the first and second walls is arcuate.

38. (Currently Amended) The expandable tubularsand screen of claim 37, wherein the first and second walls are connected at first and second opposite points.

39. (Currently Amended) The expandable tubularsand screen of claim 37, wherein the first and second walls are connected by first and second opposite end walls.

40. (Currently Amended) The expandable tubularsand screen of claim 37, wherein the first and second walls are both arcuate.

41. (Canceled) An expandable tubular, comprising: an outer wall having a recess formed therein, the recess defining a housing for one or more of the following during expansion of the expandable tubular: control lines, instrumentation lines, fiber optics, and downhole sensors, wherein the expandable tubular is a sand screen for use in a wellbore within a formation.

42. (Currently Amended) The expandable tubularsand screen of claim 41, further comprising a filler material to aid in holding the one or more of the following: control lines, instrumentation lines, fiber optics, and downhole sensors, within the recess.

43. (Canceled) The expandable sand screen of claim 1, further comprising an encapsulation within the recess, the recess serving as a housing for one or more of the following: control lines, instrumentation lines, fiber optics, and downhole sensors, which reside within the encapsulation.

44. (Currently Amended) The expandable tubularsand screen of claim 4310, wherein the encapsulation is fabricated from a deformable material.

45. (Currently Amended) The expandable tubularsand screen of claim 4310, wherein the encapsulation further serves as a housing for at least one metal tubular, the at least one metal tubular housing the one or more of the following: control lines, instrumentation lines, and downhole sensors.

46. (Currently Amended) The expandable tubularsand screen of claim 4310, wherein the encapsulation defines a crescent shape.

47. (Currently Amended) The expandable tubularsand screen of claim 4310, further comprising a filler material to aid in holding the one or more of the following: control lines, instrumentation lines, fiber optics, and downhole sensors, within the encapsulation.

48. (Currently Amended) The expandable tubularsand screen of claim 441, wherein the expandable sand screen is usable in a wellbore within a formation and the wellbore includes an open hole portion such that the sand screen is expanded into substantial contact with the formation.

49. (Currently Amended) The expandable tubularsand screen of claim 441, wherein the expandable sand screen is usable in a wellbore within a formation and the wellbore defines a cased hole completion such that the sand screen is expanded into substantial contact with the casing.

50. (Currently Amended) An expandable tubular, comprising: an outer wall
an expandable sand screen, comprising:

a base pipe layer;

a filtering media layer around the base pipe layer; and

an outer shroud around the filtering media layer, a wall of the outer shroud having a
recess formed therein, the recess defining a housing for one or more of the following
during expansion of the expandable tubularsand screen: control lines, instrumentation
lines, fiber optics, and downhole sensors, wherein a thickness of a wall of the
expandable tubularsand screen decreases upon expansion.

51. (Currently Amended) The expandable tubularsand screen of claim 50,
wherein the expandable tubularsand screen is in an expanded state and the outer-wall
is in substantial contact with a wall of a wellbore.

52. (Currently Amended) The expandable tubularsand screen of claim 50,
wherein the expandable tubularsand screen is in an expanded state and the outer-wall
is in substantial contact with casing disposed in a wellbore.

53. (Currently Amended) The expandable tubularsand screen of claim 50,
further comprising an encapsulation within the recess, the recess serving as a housing
for one or more of the following: control lines, instrumentation lines, fiber optics, and
downhole sensors, which reside within the encapsulation.

54. (Currently Amended) The expandable tubularsand screen of claim 53, the
encapsulation further comprising at least one arcuate wall.

55. (Currently Amended) The expandable tubularsand screen of claim 50,
wherein the recess comprises at least one arcuate wall.

56. (Currently Amended) A method for controlling at least one downhole tool or
instrument through an expandable tubularsand screen from a surface of a wellbore,
comprising:

providing the expandable tubularsand screen in the wellbore, the expandable sand screen comprising:

a base pipe layer,

a filtering media layer around the base pipe layer, and

an outer shroud around the filtering media layer, one or more of the following disposable within a recess formed in a wall of the expandable tubularouter shroud: control lines, instrumentation lines, fiber optics, downhole sensors, data acquisition lines, and communication lines; and expanding the expandable tubularsand screen, thereby decreasing a thickness of thea wall of the tubularsand screen,

wherein the one or more of the control lines, instrumentation lines, fiber optics, and downhole sensors is protected during the expansion.

57. (Currently Amended) The method of claim 5556, wherein the one or more of the control lines, instrumentation lines, fiber optics, and downhole sensors moves radially outward while expanding the expandable tubularsand screen.

58. (Currently Amended) The method of claim 5556, wherein expanding the expandable tubularsand screen comprises expanding from thean inner diameter of the expandable tubularsand screen.